

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark OfficeAtty Docket No.
P1762R1Serial No.
09/592,695

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Cochran et al.Filing Date
13 Jun 2000Group
1645-1627

U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
ASJ	1	4,833,092	23.05.89	Geysen			
ST	2	5,534,615	09.07.96	Baker et al.			
ST	3	5,824,483	20.10.98	Houston, Jr. et al.			
ST	4	5,830,851	03.11.98	Wrighton et al.			
ST	5	5,866,341	02.02.99	Spinella et al.			
ST	6	5,885,780	23.03.99	Olivera et al.			
ST	7	6,013,458	11.01.00	Kahn et al.			

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Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes No
ASJ	8	WO 92/00091	09.01.92	PCT			
ST	9	WO 94/03494	17.02.94	PCT			
ST	10	WO 95/01800	19.01.95	PCT			
ST	11	WO 98/49168	05.11.98	PCT			
ST	12	WO 99/51625	14.10.99	PCT			

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ASJ	13	Ball et al., "Conformational Constraints: Nonpeptide β -Turn Mimics" <i>Journal of Molecular Recognition</i> 3(2):55-64 (1990)
ST	14	Bianchi et al., "High level expression and rational mutagenesis of a designed protein, the minibody. From an insoluble to a soluble molecule" <i>Journal of Molecular Biology</i> 236(2):649-659 (Feb 18, 1994)
ST	15	Christmann et al., "The cystine knot of a squash-type protease inhibitor as a structural scaffold for Escherichia coli cell surface display of conformationally constrained peptides" <i>Protein Engineering</i> 12(9):797-806 (Sep 1999)
ST	16	Cochran, A., "Antagonists of protein-protein interactions" <i>Chemistry and Biology</i> 7(4):R85-R94 (Apr 2000)
ST	17	Cwirla et al., "Peptide agonist of the thrombopoietin receptor as potent as the natural cytokine" <i>Science</i> 276(5319):1696-1699 (Jun 13, 1997)
ST	18	Fairbrother et al., "Novel Peptides Selected to Bind Vascular Endothelial Growth Factor Target the Receptor-Binding State" <i>Biochemistry</i> 37:17754-17764 (1998)
ST	19	Falcomer et al., "Chain Reversals in Model Peptides: Studies of Cystine-Containing Cyclic Peptides. 3. Conformational Free Energies of Cyclization of Tetrapeptides of Sequence Ac-Cys-Pro-X-Cys-NHMe" <i>J. Am. Chem. Soc.</i> 114:4036-4042 (1992)
ST	20	Favre et al., "Structural Mimicry of Canonical Conformations in Antibody Hypervariable Loops Using Cyclic Peptides Containing a Heterochiral Diproline Template" <i>J. Am. Chem. Soc.</i> 121:2679-2685 (1999)
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ST	22	Ladner, R., "Constrained peptides as binding entities" <i>TIBTECH</i> 13:426-430 (Oct 1995)
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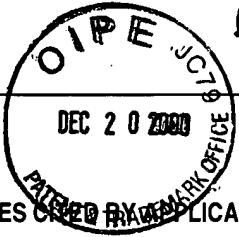
Alan Lewis TW

Date Considered

*4/2/02**8/23/02*

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ST	25	Livnah et al., "Functional mimicry of a protein hormone by a peptide agonist: the EPO receptor complex at 2.8 Å" <u>Science</u> 273(5274):464-471 (Jul 26, 1996)		
ST	26	Lowman et al., "Molecular mimics of insulin-like growth factor 1 (IGF-1) for inhibiting IGF-1: IGF-binding protein interactions" <u>Biochemistry</u> 37(25):8870-8878 (Jun 23, 1998)		
ST	27	Martin et al., "The affinity-selection of a minibody polypeptide inhibitor of human interleukin-6" <u>EMBO Journal</u> 13(22):5303-5309 (Nov 15, 1994)		
ST	28	McBride et al., "Selection of Chymotrypsin Inhibitors from a Conformationally-constrained Combinatorial Peptide Library" <u>Journal of Molecular Biology</u> 259(4):819-827 (Jun 21, 1996)		
ST	29	Milburn et al., "Chain Reversals in Model Peptides: Studies of Cystine-Containing Cyclic Peptides I. Conformational Free Energies of Cyclization of Hexapeptides of Sequence Ac-Cys-X-Pro-Gly-Y-Cys-NHMe" <u>J. Am. Chem. Soc.</u> 109:4486-4496 (1987)		
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ST	31	Milner-White, E., "Predicting the biologically active conformations of short polypeptides" <u>Trends in Pharmacological Sciences</u> 10(2):70-74 (Feb 1989)		
ST	32	Myszka and Chaiken, "Design and characterization of an intramolecular antiparallel coiled coil peptide" <u>Biochemistry</u> 33(9):2363-2372 (Mar 8, 1994)		
ST	33	Nygren and Uhlen, "Scaffolds for engineering novel binding sites in proteins" <u>Current Opinion in Structural Biology</u> 7(4):463-469 (Aug 1997)		
ST	34	Smith and Pease, "Reverse turns in peptides and proteins" <u>CRC Critical Reviews in Biochemistry</u> 8(4):315-399 (1980)		
ST	35	Smith et al., "Small binding proteins selected from a combinatorial repertoire of knottins displayed on phage" <u>Journal of Molecular Biology</u> 277(2):317-332 (Mar 27, 1998)		
ST	36	Stroup and Giersch, "Reduced Tendency to Form a β Turn in Peptides from the P22 Tailspike Protein Correlates with a Temperature-Sensitive Folding Defect" <u>Biochemistry</u> 29:9765-9771 (1990)		
ST	37	Vita et al., "Novel miniproteins engineered by the transfer of active sites to small natural scaffolds" <u>Biopolymers</u> 47(1):93-100 (1998)		
ST	38	Vita et al., "Rational engineering of a miniprotein that reproduces the core of the CD4 site interacting with HIV-1 envelope glycoprotein" <u>Proc. Natl. Acad. Sci. USA</u> 96(23):13091-13096 (Nov 9, 1999)		
ST	39	Wiesmann et al., "Crystal Structure of the Complex between VEGF and a Receptor-Blocking Peptide" <u>Biochemistry</u> 37:17765-17772 (1998)		
ST	40	Wrighton et al., "Small peptides as potent mimetics of the protein hormone erythropoietin" <u>Science</u> 273:458-463 (Jul 26, 1996)		
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<u>41</u>	Barthe et al., "Synthesis and NMR solution structure of an α -helical hairpin stapled with two disulfide bridges" <u>Protein Science</u> (abstract only) 133:942-955 (2000)
<u>42</u>	Domingo et al., "Synthesis of a mixture of cyclic peptides based on the Bowman-Birk reactive-site loop to screen for serine inhibitors" <u>International Journal of Protein and Peptide Research</u> 46:79-87 (1995)

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